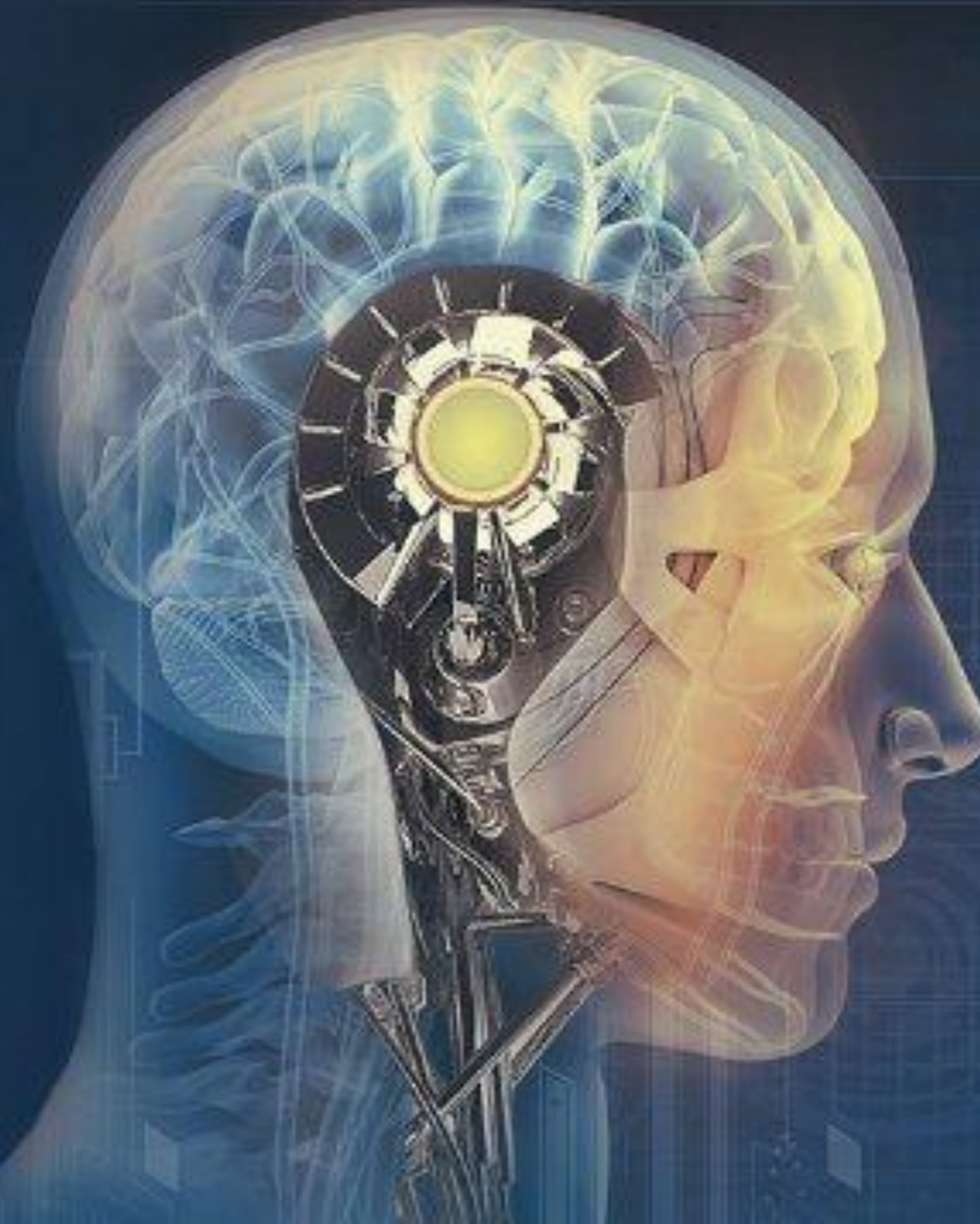


Some Thoughts on Preparing a New Generation for Jobs of the Future

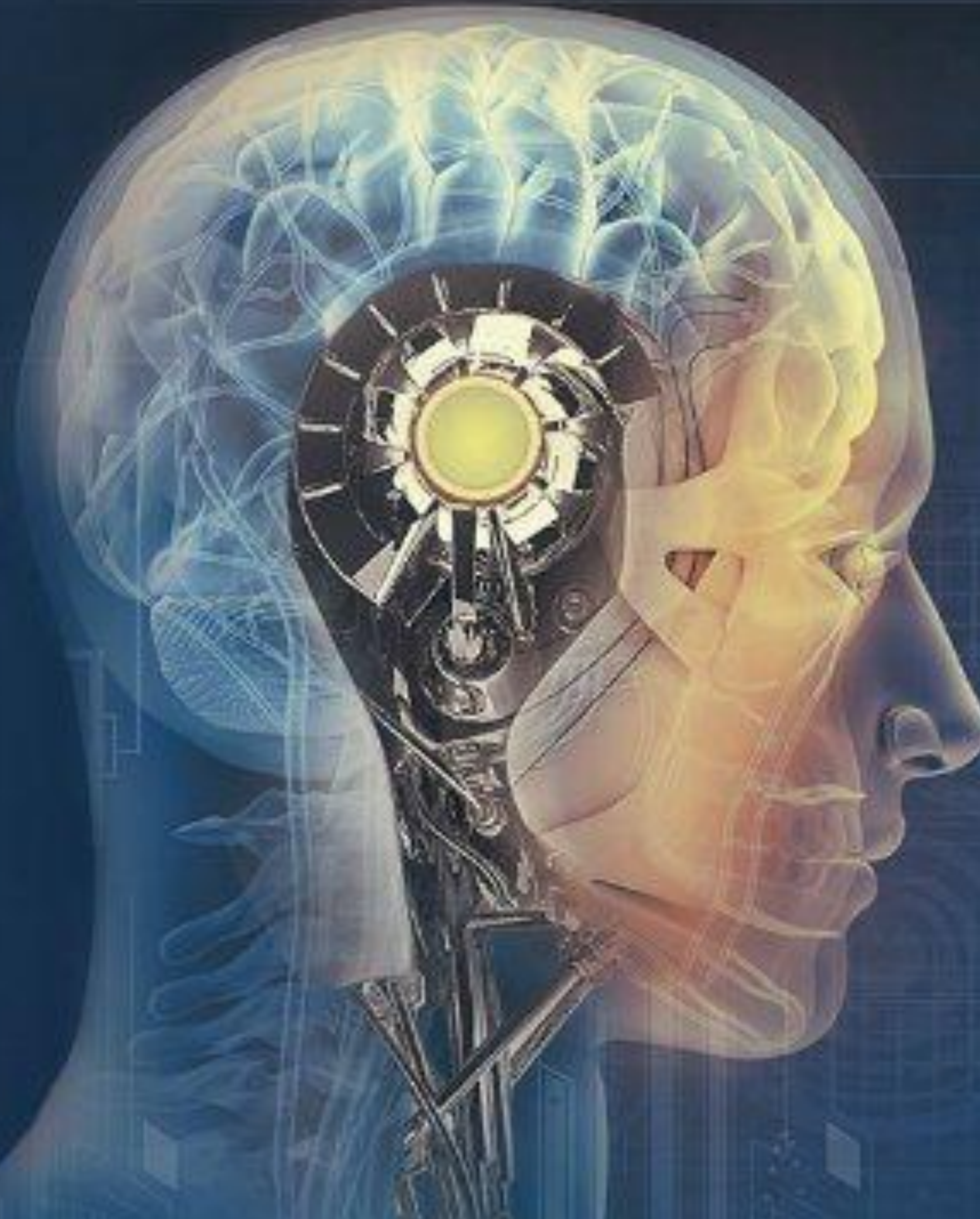
Steve Harvey, Phd, Dean

What are Jobs of the Future?

- Jobs of the future will be servicing the 4th Industrial Revolution
 - one very different and much faster paced than anything we have seen in or can imagine from recent years



“Fourth Industrial Revolution is building on the Third, the digital revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres.”



“Fourth Industrial Revolution is building on the Third, the digital revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres.”

What is Changing?

A number of things!

1. Artificial Intelligence
2. Virtual + Augmented Reality
3. Robotics
4. Nanotechnology
5. Cybersecurity
6. 3D+ Printing
7. Human-Machine Interfaces



Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015

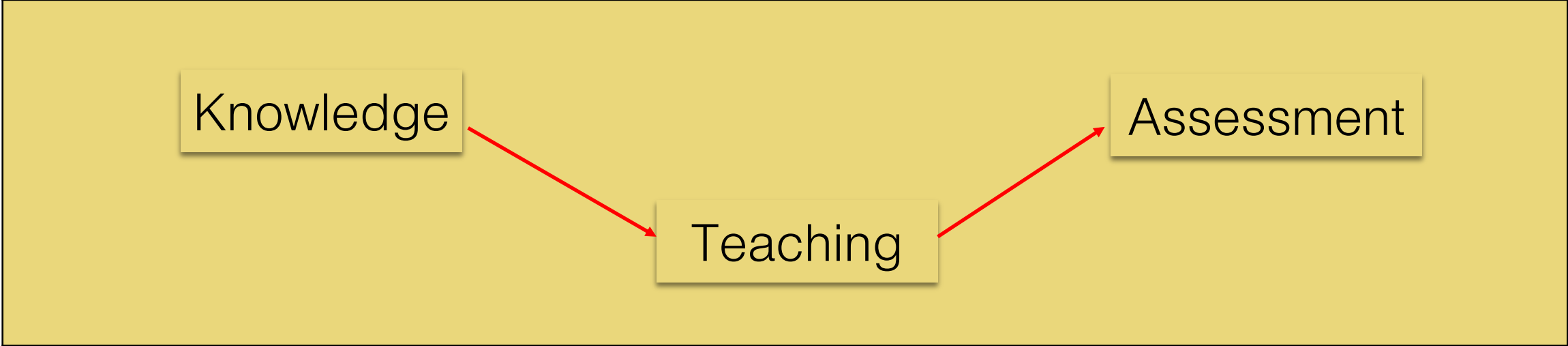
1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity



**How Should the Educational Sector
Respond?**

Evolution of Higher Education Learning Models (Current Reality)

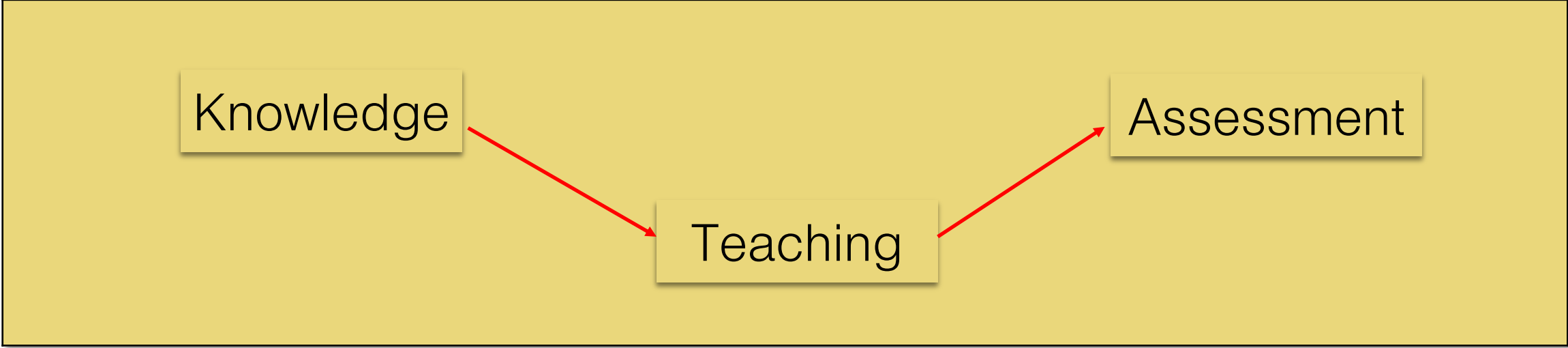
Closed System



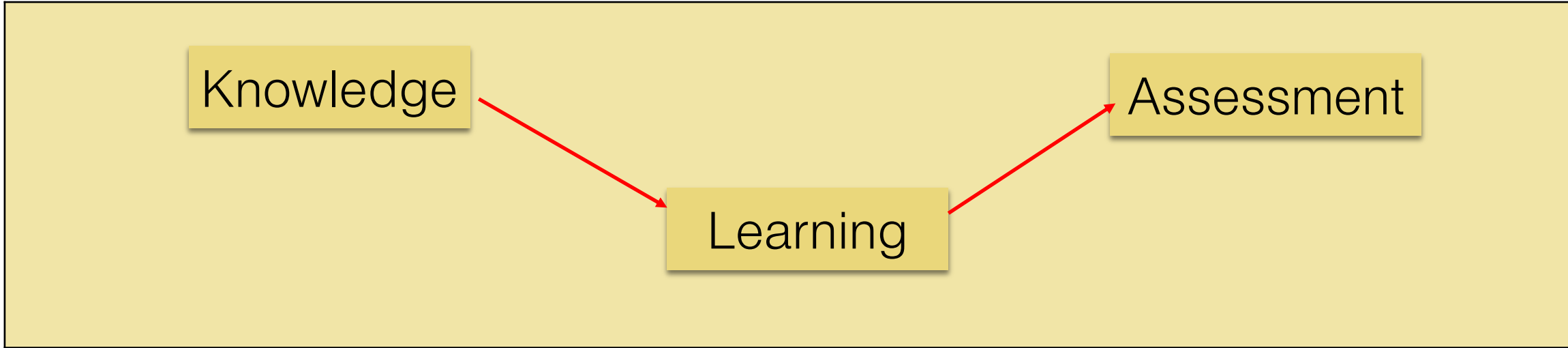
Most

Evolution of Higher Education Learning Models

Closed System



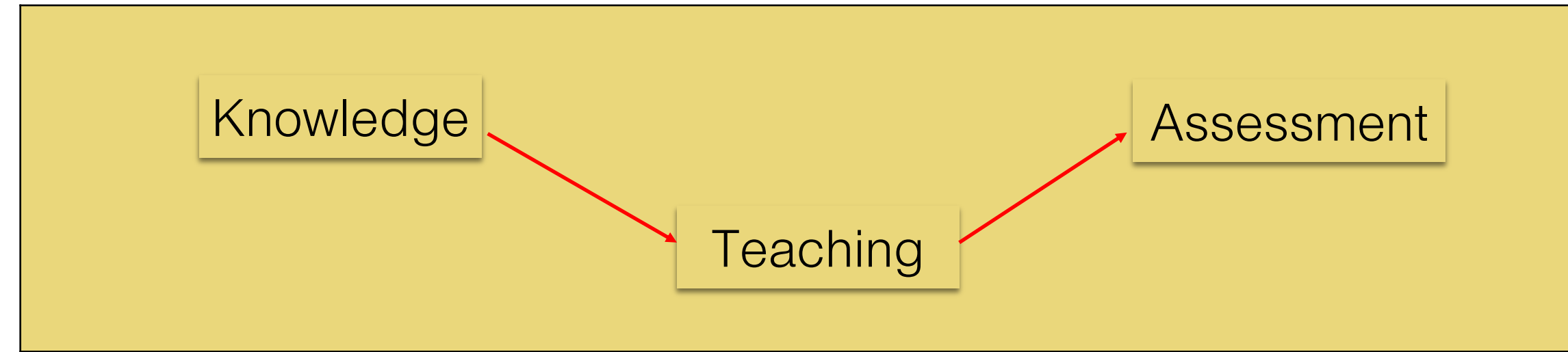
Permeable System



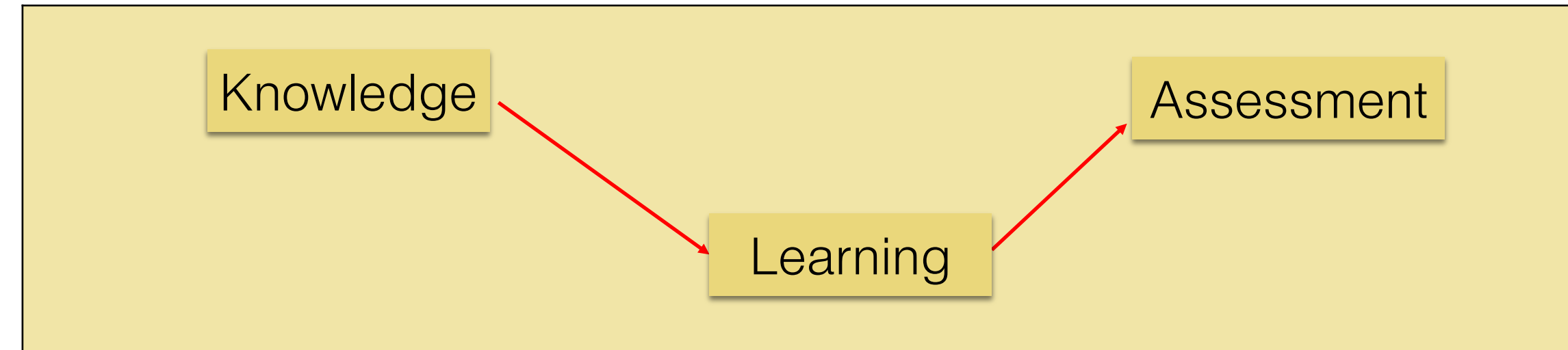
Growing

Evolution of Higher Education Learning Models

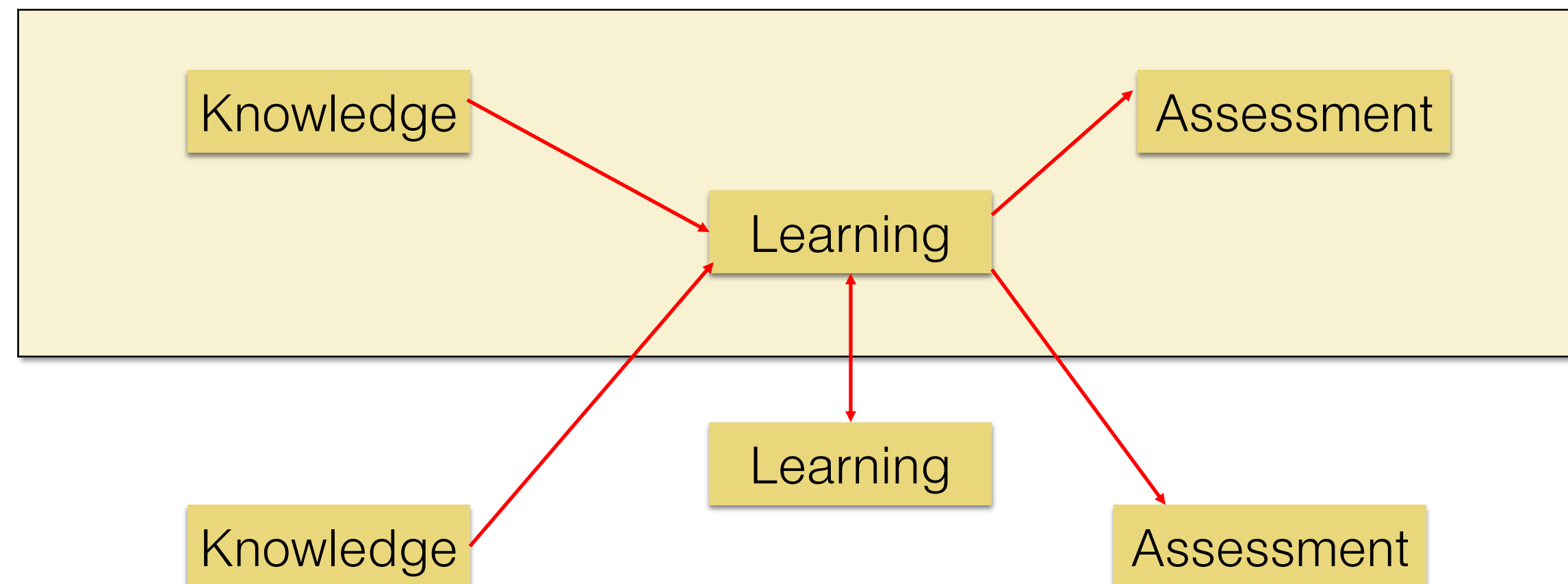
Closed System



Permeable System



Open System



Rare

Dimension	Closed Systems	Open System
Learning	Responsibility of faculty	Shared responsibility of community
Assessment	Disciplinary standards	If used, includes external standards
Objective	Academic content (teaching)	Discovery (learning)
Structure	Teaching units (e.g. hours, # credits etc)	Learning opportunities
Goal	Prepare students for jobs	Prepare students who can learn

THANK YOU

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